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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/046,060A

DATE: 08/12/2002
TIME: 14:13:18

Input Set : A:\2976-C SeqListce filed 101801.txt
Output Set: N:\CRF3\08122002\J046060A.raw

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      3 <110> APPLICANT: Sims, John E.
      5 <120> TITLE OF INVENTION: FIL-1 THETA DNAs AND POLYPEPTIDES
      7 <130> FILE REFERENCE: 2976-C
C-->  9 <140> CURRENT APPLICATION NUMBER: US/10/046,060A
C--> 10 <141> CURRENT FILING DATE: 2002-07-23
     12 <150> PRIOR APPLICATION NUMBER: US 60/178,389
     13 <151> PRIOR FILING DATE: 2000-01-27
     15 <150> PRIOR APPLICATION NUMBER: US 60/195,962
     16 <151> PRIOR FILING DATE: 2000-04-11
     18 <150> PRIOR APPLICATION NUMBER: US 09/769,878
     19 <151> PRIOR FILING DATE: 2001-01-25
     21 <160> NUMBER OF SEQ ID NOS: 21
     23 <170> SOFTWARE: PatentIn version 3.1
     25 <210> SEQ ID NO: 1
     26 <211> LENGTH: 339
     27 <212> TYPE: DNA
     28 <213> ORGANISM: Homo sapiens
     30 <400> SEQUENCE: 1
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     33 atccagggag ggagccgctg cctggcatgt gtggagacag aagaggggcc ttccctacag     120
     35 ctggaggatg tgaacattga ggaactgtac aaaggtggtg aagaggccac acgcttcacc     180
     37 ttcttccaga gcagctcagg ctccgccttc aggcttgagg ctgctgcctg gcctggctgg     240
     39 ttcctgtgtg gcccggcaga gccccagcag ccagtacagc tcaccaagga gagtgagccc     300
     41 tcagcccgta ccaagtttta ctttgaacag agctggtag                            339

     44 <210> SEQ ID NO: 2
     45 <211> LENGTH: 112
     46 <212> TYPE: PRT
     47 <213> ORGANISM: Homo sapiens
     49 <400> SEQUENCE: 2
     51 Lys Ile Cys Ile Leu Pro Asn Arg Gly Leu Ala Arg Thr Lys Val Pro
     52 1               5                   10                  15
     55 Ile Phe Leu Gly Ile Gln Gly Gly Ser Arg Cys Leu Ala Cys Val Glu
     56               20                  25                  30
     59 Thr Glu Glu Gly Pro Ser Leu Gln Leu Glu Asp Val Asn Ile Glu Glu
     60           35                  40                  45
     63 Leu Tyr Lys Gly Gly Glu Glu Ala Thr Arg Phe Thr Phe Phe Gln Ser
     64       50                  55                  60
     67 Ser Ser Gly Ser Ala Phe Arg Leu Glu Ala Ala Ala Trp Pro Gly Trp
     68 65                  70                  75                  80
     71 Phe Leu Cys Gly Pro Ala Glu Pro Gln Gln Pro Val Gln Leu Thr Lys
     72               85                  90                  95
     75 Glu Ser Glu Pro Ser Ala Arg Thr Lys Phe Tyr Phe Glu Gln Ser Trp
     76               100                 105                 110
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79 <210> SEQ ID NO: 3
80 <211> LENGTH: 459
81 <212> TYPE: DNA
82 <213> ORGANISM: Homo sapiens
84 <220> FEATURE:
85 <221> NAME/KEY: CDS
86 <222> LOCATION: (1)..(456)
87 <223> OTHER INFORMATION:
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91 atg tgt tcc ctc ccc atg gca aga tac tac ata att aaa tat gca gac        48
92 Met Cys Ser Leu Pro Met Ala Arg Tyr Tyr Ile Ile Lys Tyr Ala Asp
93 1               5                   10                  15
95 cag aag gct cta tac aca aga gat ggc cag ctg ctg gtg gga gat cct        96
96 Gln Lys Ala Leu Tyr Thr Arg Asp Gly Gln Leu Leu Val Gly Asp Pro
97              20                  25                  30
99 gtt gca gac aac tgc tgt gca gag aag atc tgc aca ctt cct aac aga       144
100 Val Ala Asp Asn Cys Cys Ala Glu Lys Ile Cys Thr Leu Pro Asn Arg
101             35                  40                  45
103 ggc ttg gac cgc acc aag gtc ccc att ttc ctg ggg atc cag gga ggg      192
104 Gly Leu Asp Arg Thr Lys Val Pro Ile Phe Leu Gly Ile Gln Gly Gly
105        50                  55                  60
107 agc cgc tgc ctg gca tgt gtg gag aca gaa gag ggg cct tcc cta cag      240
108 Ser Arg Cys Leu Ala Cys Val Glu Thr Glu Glu Gly Pro Ser Leu Gln
109 65                  70                  75                  80
111 ctg gag gat gtg aac att gag gaa ctg tac aaa ggt ggt gaa gag gcc      288
112 Leu Glu Asp Val Asn Ile Glu Glu Leu Tyr Lys Gly Gly Glu Glu Ala
113             85                  90                  95
115 aca cgc ttc acc ttc ttc cag agc agc tca ggc tcc gcc ttc agg ctt      336
116 Thr Arg Phe Thr Phe Phe Gln Ser Ser Ser Gly Ser Ala Phe Arg Leu
117            100                 105                 110
119 gag gcc gct gcc tgg cct ggc tgg ttc ctg tgt ggc ccg gca gag ccc      384
120 Glu Ala Ala Ala Trp Pro Gly Trp Phe Leu Cys Gly Pro Ala Glu Pro
121            115                 120                 125
123 cag cag cca gta cag ctc act aag gag agt gag ccc tca gcc cgt acc      432
124 Gln Gln Pro Val Gln Leu Thr Lys Glu Ser Glu Pro Ser Ala Arg Thr
125        130                 135                 140
127 aag ttt tac ttt gaa cag agc tgg tag                                  459
128 Lys Phe Tyr Phe Glu Gln Ser Trp
129 145                 150
132 <210> SEQ ID NO: 4
133 <211> LENGTH: 152
134 <212> TYPE: PRT
135 <213> ORGANISM: Homo sapiens
137 <400> SEQUENCE: 4
139 Met Cys Ser Leu Pro Met Ala Arg Tyr Tyr Ile Ile Lys Tyr Ala Asp
140 1               5                   10                  15
143 Gln Lys Ala Leu Tyr Thr Arg Asp Gly Gln Leu Leu Val Gly Asp Pro
144              20                  25                  30
147 Val Ala Asp Asn Cys Cys Ala Glu Lys Ile Cys Thr Leu Pro Asn Arg

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148        35                40                45
151 Gly Leu Asp Arg Thr Lys Val Pro Ile Phe Leu Gly Ile Gln Gly Gly
152     50                55                60
155 Ser Arg Cys Leu Ala Cys Val Glu Thr Glu Glu Gly Pro Ser Leu Gln
156 65                70                75                80
159 Leu Glu Asp Val Asn Ile Glu Glu Leu Tyr Lys Gly Gly Glu Glu Ala
160             85                90                95
163 Thr Arg Phe Thr Phe Phe Gln Ser Ser Ser Gly Ser Ala Phe Arg Leu
164             100               105               110
167 Glu Ala Ala Ala Trp Pro Gly Trp Phe Leu Cys Gly Pro Ala Glu Pro
168         115               120               125
171 Gln Gln Pro Val Gln Leu Thr Lys Glu Ser Glu Pro Ser Ala Arg Thr
172     130               135               140
175 Lys Phe Tyr Phe Glu Gln Ser Trp
176 145                150
179 <210> SEQ ID NO: 5
180 <211> LENGTH: 21
181 <212> TYPE: DNA
182 <213> ORGANISM: Artificial Sequence
184 <220> FEATURE:
185 <223> OTHER INFORMATION: DNA primer
187 <400> SEQUENCE: 5
188 agaagatctg catacttcct a                                        21
191 <210> SEQ ID NO: 6
192 <211> LENGTH: 19
193 <212> TYPE: DNA
194 <213> ORGANISM: Artificial Sequence
196 <220> FEATURE:
197 <223> OTHER INFORMATION: DNA primer
199 <400> SEQUENCE: 6
200 tgagcaggat gagcttggt                                           19
203 <210> SEQ ID NO: 7
204 <211> LENGTH: 27
205 <212> TYPE: DNA
206 <213> ORGANISM: Artificial Sequence
208 <220> FEATURE:
209 <223> OTHER INFORMATION: DNA primer
211 <400> SEQUENCE: 7
212 ccatcctaat acgactcact atagggc                                  27
215 <210> SEQ ID NO: 8
216 <211> LENGTH: 18
217 <212> TYPE: DNA
218 <213> ORGANISM: Artificial Sequence
220 <220> FEATURE:
221 <223> OTHER INFORMATION: DNA primer
223 <400> SEQUENCE: 8
224 ctccagctgt agggaagg                                           18
227 <210> SEQ ID NO: 9
228 <211> LENGTH: 23
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229 <212> TYPE: DNA
230 <213> ORGANISM: Artificial Sequence
232 <220> FEATURE:
233 <223> OTHER INFORMATION: DNA primer
235 <400> SEQUENCE: 9
236 actcactata gggctcgagc ggc                                      23
239 <210> SEQ ID NO: 10
240 <211> LENGTH: 20
241 <212> TYPE: DNA
242 <213> ORGANISM: Artificial Sequence
244 <220> FEATURE:
245 <223> OTHER INFORMATION: DNA primer
247 <400> SEQUENCE: 10
248 tcttctgtct ccacacatgc                                          20
251 <210> SEQ ID NO: 11
252 <211> LENGTH: 20
253 <212> TYPE: DNA
254 <213> ORGANISM: Artificial Sequence
256 <220> FEATURE:
257 <223> OTHER INFORMATION: DNA primer
259 <400> SEQUENCE: 11
260 caaggctaaa acgcagtttc                                          20
263 <210> SEQ ID NO: 12
264 <211> LENGTH: 20
265 <212> TYPE: DNA
266 <213> ORGANISM: Artificial Sequence
268 <220> FEATURE:
269 <223> OTHER INFORMATION: DNA primer
271 <400> SEQUENCE: 12
272 caggaaacag ctatgaccat                                          20
275 <210> SEQ ID NO: 13
276 <211> LENGTH: 22
277 <212> TYPE: DNA
278 <213> ORGANISM: Artificial Sequence
280 <220> FEATURE:
281 <223> OTHER INFORMATION: DNA primer
283 <400> SEQUENCE: 13
284 ctatttaggt gacactatag aa                                       22
287 <210> SEQ ID NO: 14
288 <211> LENGTH: 538
289 <212> TYPE: DNA
290 <213> ORGANISM: Mus musculus
292 <220> FEATURE:
293 <221> NAME/KEY: CDS
294 <222> LOCATION: (29)..(487)
295 <223> OTHER INFORMATION:
298 <400> SEQUENCE: 14
299 tgaagaccag acactcccaa ctgcagga atg tgc tcc ctt ccc atg gca aga   52
300                                 Met Cys Ser Leu Pro Met Ala Arg
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301                            1                5
303 tac tac ata atc aag gat gca cat caa aag gct ttg tac aca cgg aat      100
304 Tyr Tyr Ile Ile Lys Asp Ala His Gln Lys Ala Leu Tyr Thr Arg Asn
305     10                  15                  20
307 ggc cag ctc ctg ctg gga gac cct gat tca gac aat tat agt cca gag      148
308 Gly Gln Leu Leu Leu Gly Asp Pro Asp Ser Asp Asn Tyr Ser Pro Glu
309 25                  30                  35                  40
311 aag gtc tgt atc ctt cct aac cga ggc cta gac cgc tcc aag gtc ccc      196
312 Lys Val Cys Ile Leu Pro Asn Arg Gly Leu Asp Arg Ser Lys Val Pro
313             45                  50                  55
315 atc ttc ctg ggg atg cag gga gga agt tgc tgc ctg gcg tgt gta aag      244
316 Ile Phe Leu Gly Met Gln Gly Gly Ser Cys Cys Leu Ala Cys Val Lys
317             60                  65                  70
319 aca aga gag gga cct ctc ctg cag ctg gag gat gtg aac atc gag gac      292
320 Thr Arg Glu Gly Pro Leu Leu Gln Leu Glu Asp Val Asn Ile Glu Asp
321         75                  80                  85
323 cta tac aag gga ggt gaa caa acc acc cgt ttc acc ttt ttc cag aga      340
324 Leu Tyr Lys Gly Gly Glu Gln Thr Thr Arg Phe Thr Phe Phe Gln Arg
325     90                  95                  100
327 agc ttg gga tct gcc ttc agg ctt gag gct gct gcc tgc cct ggc tgg      388
328 Ser Leu Gly Ser Ala Phe Arg Leu Glu Ala Ala Ala Cys Pro Gly Trp
329 105                 110                 115                 120
331 ttt ctc tgt ggc cca gct gag ccc cag cag cca gtg cag ctc acc aaa      436
332 Phe Leu Cys Gly Pro Ala Glu Pro Gln Gln Pro Val Gln Leu Thr Lys
333             125                 130                 135
335 gag agt gaa ccc tcc acc cat act gaa ttc tac ttt gag atg agt cgg      484
336 Glu Ser Glu Pro Ser Thr His Thr Glu Phe Tyr Phe Glu Met Ser Arg
337         140                 145                 150
339 taa ggagacataa ggctggggcc tcgtctagtg cccccagtct gagatcttct t          538
342 <210> SEQ ID NO: 15
343 <211> LENGTH: 152
344 <212> TYPE: PRT
345 <213> ORGANISM: Mus musculus
347 <400> SEQUENCE: 15
349 Met Cys Ser Leu Pro Met Ala Arg Tyr Tyr Ile Ile Lys Asp Ala His
350 1               5                   10                  15
353 Gln Lys Ala Leu Tyr Thr Arg Asn Gly Gln Leu Leu Leu Gly Asp Pro
354             20                  25                  30
357 Asp Ser Asp Asn Tyr Ser Pro Glu Lys Val Cys Ile Leu Pro Asn Arg
358         35                  40                  45
361 Gly Leu Asp Arg Ser Lys Val Pro Ile Phe Leu Gly Met Gln Gly Gly
362     50                  55                  60
365 Ser Cys Cys Leu Ala Cys Val Lys Thr Arg Glu Gly Pro Leu Leu Gln
366 65                  70                  75                  80
369 Leu Glu Asp Val Asn Ile Glu Asp Leu Tyr Lys Gly Gly Glu Gln Thr
370             85                  90                  95
373 Thr Arg Phe Thr Phe Phe Gln Arg Ser Leu Gly Ser Ala Phe Arg Leu
374             100                 105                 110
377 Glu Ala Ala Ala Cys Pro Gly Trp Phe Leu Cys Gly Pro Ala Glu Pro
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**VERIFICATION SUMMARY**                    DATE: 08/12/2002
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Output Set: **N:\CRF3\08122002\J046060A.raw**

L:9 M:270 C: Current Application Number differs, Replaced Current Application Number
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date